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**PATENT**

**RESPONSE UNDER 37 C.F.R. 1.116 - EXPEDITED  
PROCEDURE - EXAMINING GROUP 2621**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Appl. No.: 09/531,262  
Applicant(s): Iosif Zeylikovich, et al.  
Filed: March 17, 2000  
Art Unit: 2621  
Examiner: H. Akhavannik  
Title: METHOD AND APPARATUS FOR DETECTING  
AN ABNORMALITY WITHIN A HOST MEDIUM  
UTILIZING FREQUENCY-SWEPT MODULATION  
DIFFUSION TOMOGRAPHY

Confirmation No.: 4992

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Docket No.: 042678/195284  
Customer No.: 00826

Mail Stop AF  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

August 17, 2005

**AMENDMENT AFTER FINAL ACTION  
PURSUANT TO 37 C.F.R. § 1.116**

Sir:

In response to the Official Action dated May 17, 2005, please amend the above-identified application as follows:

**Amendments to the Claims** are reflected in the listing of claims beginning on page 2 of this paper.

**Remarks** begin on page 9 of this paper.